|                |                |                                                   | 10/003,058                                       |                 |        |          |            |                 |          | DOOLEY ET AL.   |          |         |                 |               |  |  |
|----------------|----------------|---------------------------------------------------|--------------------------------------------------|-----------------|--------|----------|------------|-----------------|----------|-----------------|----------|---------|-----------------|---------------|--|--|
|                |                |                                                   | Examiner                                         |                 |        |          |            |                 |          | Art Unit        |          |         |                 |               |  |  |
|                | Shuwang Liu    |                                                   |                                                  |                 |        |          |            | 2634            |          |                 |          |         |                 |               |  |  |
| √ Rejected –   | (Through numer | ral)                                              | ) Non-Elected                                    |                 |        | cted     |            | A               | Appeal   |                 |          |         |                 |               |  |  |
| = Allowed ÷    | Restricted     |                                                   | 1                                                | i Interference  |        |          |            | 0               | Objected |                 |          |         |                 |               |  |  |
| Claim Date     | Claim          |                                                   | Date CI                                          |                 |        |          | aim        |                 | Date     |                 |          |         |                 | <del></del> 1 |  |  |
|                |                |                                                   | T                                                | П               | $\top$ |          |            | Н               | Τ        | ТΪ              | ale_     | Т       | П               | П             |  |  |
| Final Original | Final          |                                                   |                                                  |                 |        | Final    | Original   |                 |          |                 |          |         |                 |               |  |  |
| 1 4            | 51             | +++                                               | +                                                | $\vdash$        | ++     | -        | 101        | Н               | +        | $\vdash$        | +        | +       | Н               | Н             |  |  |
| 2 9            | 52             |                                                   | 1                                                |                 | П      |          | 102        | П               |          | П               | $\perp$  |         |                 |               |  |  |
| 3 4 0          | 53             |                                                   | +                                                | $\vdash$        | ++     |          | 103<br>104 | Н               | +        | $\vdash$        |          | +-      | Н               | Н             |  |  |
| 5 4            | 55             |                                                   |                                                  |                 | $\Box$ |          | 105        |                 |          |                 |          |         |                 |               |  |  |
| 7              | 56             |                                                   |                                                  |                 | 4-1    |          | 106<br>107 | $\sqcup$        |          | $\sqcup$        | 4-       |         |                 |               |  |  |
|                | 58             | <del>}                                    </del>  | +                                                | Н               | ++     | -        | 107        | ╟┤              | +        | H               | +        | +       | $\vdash$        | Н             |  |  |
| 9              | 59             |                                                   |                                                  |                 | 口      |          | 109        |                 |          | П               |          |         |                 |               |  |  |
| 10             | 60             |                                                   | +-                                               | $\vdash \vdash$ |        |          | 110        | $\sqcup$        |          | ┦               | +        | +       |                 |               |  |  |
| 12 0           | 62             | <del>                                     </del>  | ┿                                                | $\vdash$        | ++     |          | 112        | Н               | +        | H               | +        | +       | $\vdash$        | Н             |  |  |
| 13 U           | 63             |                                                   |                                                  |                 | 口      |          | 113        |                 |          | $\Box$          |          |         |                 |               |  |  |
| 14 15 15 1     | 64             | ╂═╂═┨═                                            | <del>                                     </del> | $\vdash \vdash$ | +      |          | 114<br>115 | $\vdash$        | _        | Н               | +        | +       |                 | Щ             |  |  |
| 16             | 66             | <del>       </del>                                | +                                                | $\vdash$        | ++     |          | 116        |                 | +        | H               | +        | +       |                 | $\vdash$      |  |  |
| 17             | 67             |                                                   | 工                                                |                 |        |          | 117        |                 |          |                 |          |         |                 |               |  |  |
| 18             | 68             | +++                                               | ╁                                                | $\vdash \vdash$ |        |          | 118<br>119 | Н               |          | <del> </del>    |          | -       | $\vdash$        | H             |  |  |
| 20             | 70             | <del>                                      </del> | +                                                | $\Box$          | +      |          | 120        | Н               | +        | H               | $\dashv$ | +       | $\vdash$        | H             |  |  |
| 21             | 71             |                                                   | $\perp$                                          | П               | $\Box$ |          | 121        |                 |          | П               | 工        |         |                 |               |  |  |
| 22 23          | 72 73          | +++                                               | ╁                                                | ╁               |        | -        | 122<br>123 | $\vdash \vdash$ | -        | Н               | +        | +       | +               | Н             |  |  |
| 24             | 74             |                                                   | 士                                                |                 | $\Box$ |          | 124        | $\Box$          |          |                 |          | +       | $\vdash$        | Н             |  |  |
| 25 26          | 75             |                                                   | 1                                                | $\Box$          | $\Box$ |          | 125        | $\Box$          |          | П               |          | T       |                 |               |  |  |
| 27             | 76             | <del>                                     </del>  |                                                  | ${f H}$         | ++     |          | 126<br>127 | Н               | +        | ++              | +        | +       | Н               | H             |  |  |
| 28             | 78             |                                                   |                                                  |                 |        |          | 128        |                 |          | $\Box$          | $\top$   | +-      |                 | Н             |  |  |
| 30             | 79             |                                                   | $\bot$                                           | $\sqcup$        | 4      |          | 129        | Ц               | $\Box$   | П               | _        | Ţ       | $\Box$          |               |  |  |
| 31             | 81             | <del>   - -</del>                                 | +                                                | $\vdash$        | +      | -        | 130<br>131 | $\vdash \vdash$ | +        | Н               | $\dashv$ |         | H               | Н             |  |  |
| 32             | 82             |                                                   |                                                  |                 | П      |          | 132        |                 | 工        |                 | 1        |         |                 |               |  |  |
| 33 34          | 83             | ++                                                | +                                                | ╀               |        | <u> </u> | 133<br>134 | $\dashv$        | +        | $\vdash$        | +        | +       | Н               | 4             |  |  |
| 35             | 85             | <del>                                     </del>  | +                                                | H               | ++     | -        | 135        | -               | +        | H               | +        | +       | H               | Н             |  |  |
| 36             | 86             |                                                   | $\perp$                                          | П               | П      |          | 136        |                 | 丰        | П               |          |         |                 |               |  |  |
| 37 38          | 87             |                                                   | +-                                               | $\vdash$        | ++     | -        | 137<br>138 | $\vdash$        |          | ${\mathbb H}$   | +        | +       | Н               | $\dashv$      |  |  |
| 39             | 89             |                                                   | +                                                | -               | 1      |          | 139        | $\dashv$        | +-       | $\forall$       | +        | +-      | H               | $\neg$        |  |  |
| 40 41          | 90             |                                                   | $\Box$                                           | П               | $\Box$ |          | 140        |                 |          | П               | $\perp$  | I       | П               |               |  |  |
| 41 42          | 91             | <del> -    </del>                                 | +                                                | ╁               | ++     | -        | 141<br>142 | $\dashv$        | +        | Н               | +        | ╁╌      | $\vdash$        | $\dashv$      |  |  |
| 43             | 93             |                                                   |                                                  |                 | 廿      |          | 143        |                 |          |                 |          |         |                 |               |  |  |
| 44 45          | 94             |                                                   | +                                                | $\Box$          | +      | <u> </u> | 144<br>145 | $\dashv$        | #        | П               | $\perp$  | F       | П               | $\Box$        |  |  |
| 46             | 96             |                                                   | +                                                | ++              | +      | -        | 145        | $\dashv$        | +        | $\vdash$        | -        | +       | H               | $\dashv$      |  |  |
| 47             | 97             |                                                   |                                                  |                 | 口      |          | 147        |                 |          | 口               |          |         |                 |               |  |  |
| 48 49          | 98             | -                                                 | +                                                | $\vdash \vdash$ | +      | <u> </u> | 148<br>149 | $\dashv$        | +        | H               |          | $\perp$ | $oxed{\square}$ | $\dashv$      |  |  |
| 50             | 100            |                                                   | $oxed{H}$                                        | $\vdash$        | 11     |          | 150        | +               | +-       | $\vdash \vdash$ | +        | +       | H               | $\dashv$      |  |  |
|                |                |                                                   |                                                  |                 |        |          |            |                 |          | •               |          |         |                 |               |  |  |

Application/Control No.

Index of Claims

Applicant(s)/Patent under Reexamination